RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/539,215_

Source: _PCT/10_

Date Processed by STIC: _6/27/05_

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RAW SEQUENCE LISTING   DATE: 06/27/2005
PATENT APPLICATION: US/10/539,215 TIME: 10:37:14

Input Set : **A:\Sequence Listing.txt**
Output Set: **N:\CRF4\06272005\J539215.raw**

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   3 <110> APPLICANT: Agrinomics LLC
   5 <120> TITLE OF INVENTION: GENERATION OF PLANTS WITH ALTERED OIL CONTENT
   7 <130> FILE REFERENCE: 6616-71314-07
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/539,215
C--> 9 <141> CURRENT FILING DATE: 2005-06-17
   9 <150> PRIOR APPLICATION NUMBER: PCT/US2003/040988
  10 <151> PRIOR FILING DATE: 2003-12-18
  12 <150> PRIOR APPLICATION NUMBER: 60/434,601
  13 <151> PRIOR FILING DATE: 2002-12-18
  15 <160> NUMBER OF SEQ ID NOS: 2
  17 <170> SOFTWARE: PatentIn version 3.2
  19 <210> SEQ ID NO: 1
  20 <211> LENGTH: 1545
  21 <212> TYPE: DNA
  22 <213> ORGANISM: Arabidopsis thaliana
  24 <400> SEQUENCE: 1
  25 atggagattt cgcagagagt gaaagctaga ttagccgttc tcaccgcgca tttggcggtg     60
  27 tctgataccg tcggattgga acaggtgttg ccggcgatcg cgccatggtg tacatcggct    120
  29 cacattaccg ctgcacctca tggatcactc aaaggaaact tgacgatcgt cgatgagcgt    180
  31 acggggaaga aatatcaggt ccctgtctca gagcatggta ccgttaaagc cgttgatctc    240
  33 aagaagataa cgacggggaa ggatgataag gggctgaagt tgtacgatcc tggttacttg    300
  35 aacacggctc cggttcgatc ttcgatttgt tacatcgacg gagatgaagg aatcttacgt    360
  37 tatcggggat acccaattga agagttggct gagagcagta cttttattga ggttgcttat    420
  39 ctcctcatgt atggaaatct gccttctcaa agtcagctag ctgattggga gttcactgtt    480
  41 tctcagcatt cagctgtgcc acaaggagta ttggatatca tacagtccat gcctcatgat    540
  43 gcacacccaa tgggagttct tgtgagtgcc atgagtgcac tttctatctt tcaccctgat    600
  45 gcaaatcctg ctcttagtgg ccaagacatt tacaagtcaa aacaagttcg tgataaacag    660
  47 attgttcgca ttctcggaaa ggcaccaaca attgcagcag ctgcttattt gaggacggca    720
  49 ggcaggcctc ctgttcttcc ttcggccaac ctttcttatt cagagaattt cctctatatg    780
  51 ctggattcaa tgggcaatag gtcttacaag cctaatcctc gtttggctcg agtgctggac    840
  53 atcctcttca tactgcatgc tgaacatgaa atgaactgct ctactgctgc tgctcggcat    900
  55 cttgcctcta gtggtgttga tgtgtacacc gcatgtgctg gagctgttgg ggcgctttat    960
  57 ggtccacttc atggtggcgc gaacgaggcc gtgcttaaga tgttagcaga gattgggact   1020
  59 gctgaaaata ttccagattt cattgaaggc gtgaagaaca gaaagaggaa gatgtcaggt   1080
  61 tttggacatc gtgtttacaa aaactatgac ccccgagcaa aagttataaa aaaactggca   1140
  63 gatgaagtgt tctccattgt tggtagggat cctctcatcg aggtagcagt tgctctagag   1200
  65 aaggcggcac tgtctgatga atatttttgtt aagagaaagc tgtacccaaa tgttgatttc   1260
  67 tactctggat taatctatag ggcaatggga ttcccaccag aattcttcac agtcctgttc   1320
  69 gcagtcccgc gtatggctgg atacttgtca cactggcgtg agtcgttaga tgatcctgac   1380
  71 actaggatca tgagaccccca acaggcctat actggagtgt ggatgaggca ttacgagcca   1440
  73 gtgagagaac gaacgttatc aagtgattcg gataaggata agtttggtca agtttccatt   1500
  75 tcgaatgcat caagaaggcg tttagctgga tcatctgccc tttag                  1545
  78 <210> SEQ ID NO: 2
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79 <211> LENGTH: 514
80 <212> TYPE: PRT
81 <213> ORGANISM: Arabidopsis thaliana
83 <400> SEQUENCE: 2
85 Met Glu Ile Ser Gln Arg Val Lys Ala Arg Leu Ala Val Leu Thr Ala
86 1               5                   10                  15
89 His Leu Ala Val Ser Asp Thr Val Gly Leu Glu Gln Val Leu Pro Ala
90              20                  25                  30
93 Ile Ala Pro Trp Cys Thr Ser Ala His Ile Thr Ala Ala Pro His Gly
94          35                  40                  45
97 Ser Leu Lys Gly Asn Leu Thr Ile Val Asp Glu Arg Thr Gly Lys Lys
98      50                  55                  60
101 Tyr Gln Val Pro Val Ser Glu His Gly Thr Val Lys Ala Val Asp Leu
102 65                  70                  75                  80
105 Lys Lys Ile Thr Thr Gly Lys Asp Asp Lys Gly Leu Lys Leu Tyr Asp
106              85                  90                  95
109 Pro Gly Tyr Leu Asn Thr Ala Pro Val Arg Ser Ser Ile Cys Tyr Ile
110              100                 105                 110
113 Asp Gly Asp Glu Gly Ile Leu Arg Tyr Arg Gly Tyr Pro Ile Glu Glu
114          115                 120                 125
117 Leu Ala Glu Ser Ser Thr Phe Ile Glu Val Ala Tyr Leu Leu Met Tyr
118      130                 135                 140
121 Gly Asn Leu Pro Ser Gln Ser Gln Leu Ala Asp Trp Glu Phe Thr Val
122 145                 150                 155                 160
125 Ser Gln His Ser Ala Val Pro Gln Gly Val Leu Asp Ile Ile Gln Ser
126              165                 170                 175
129 Met Pro His Asp Ala His Pro Met Gly Val Leu Val Ser Ala Met Ser
130              180                 185                 190
133 Ala Leu Ser Ile Phe His Pro Asp Ala Asn Pro Ala Leu Ser Gly Gln
134          195                 200                 205
137 Asp Ile Tyr Lys Ser Lys Gln Val Arg Asp Lys Gln Ile Val Arg Ile
138      210                 215                 220
141 Leu Gly Lys Ala Pro Thr Ile Ala Ala Ala Ala Tyr Leu Arg Thr Ala
142 225                 230                 235                 240
145 Gly Arg Pro Pro Val Leu Pro Ser Ala Asn Leu Ser Tyr Ser Glu Asn
146              245                 250                 255
149 Phe Leu Tyr Met Leu Asp Ser Met Gly Asn Arg Ser Tyr Lys Pro Asn
150              260                 265                 270
153 Pro Arg Leu Ala Arg Val Leu Asp Ile Leu Phe Ile Leu His Ala Glu
154          275                 280                 285
157 His Glu Met Asn Cys Ser Thr Ala Ala Ala Arg His Leu Ala Ser Ser
158      290                 295                 300
161 Gly Val Asp Val Tyr Thr Ala Cys Ala Gly Ala Val Gly Ala Leu Tyr
162 305                 310                 315                 320
165 Gly Pro Leu His Gly Gly Ala Asn Glu Ala Val Leu Lys Met Leu Ala
166              325                 330                 335
169 Glu Ile Gly Thr Ala Glu Asn Ile Pro Asp Phe Ile Glu Gly Val Lys
170              340                 345                 350
173 Asn Arg Lys Arg Lys Met Ser Gly Phe Gly His Arg Val Tyr Lys Asn
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174          355                 360                 365
177 Tyr Asp Pro Arg Ala Lys Val Ile Lys Lys Leu Ala Asp Glu Val Phe
178     370                 375                 380
181 Ser Ile Val Gly Arg Asp Pro Leu Ile Glu Val Ala Val Ala Leu Glu
182 385                 390                 395                 400
185 Lys Ala Ala Leu Ser Asp Glu Tyr Phe Val Lys Arg Lys Leu Tyr Pro
186                 405                 410                 415
189 Asn Val Asp Phe Tyr Ser Gly Leu Ile Tyr Arg Ala Met Gly Phe Pro
190             420                 425                 430
193 Pro Glu Phe Phe Thr Val Leu Phe Ala Val Pro Arg Met Ala Gly Tyr
194         435                 440                 445
197 Leu Ser His Trp Arg Glu Ser Leu Asp Asp Pro Asp Thr Arg Ile Met
198     450                 455                 460
201 Arg Pro Gln Gln Ala Tyr Thr Gly Val Trp Met Arg His Tyr Glu Pro
202 465                 470                 475                 480
205 Val Arg Glu Arg Thr Leu Ser Ser Asp Ser Asp Lys Asp Lys Phe Gly
206                 485                 490                 495
209 Gln Val Ser Ile Ser Asn Ala Ser Arg Arg Arg Leu Ala Gly Ser Ser
210             500                 505                 510
213 Ala Leu
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VERIFICATION SUMMARY   DATE: 06/27/2005
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L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date